

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	101449	"251"/\$ or "137"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 13:54
L2	11	1 and "temperature expansion coefficient"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 13:57
L3	306	1 and "expansion coefficient"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 13:57
L4	306	1 and "expansion coefficient"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 14:28
L5	873	1 and "coefficient" adj4 expansion	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 14:28
S1	3	((("4852362") or ("3067592"))).PN.	USPAT; USOCR	OR	OFF	2006/09/18 08:03
S2	476	251/276.ccls. or 251/278.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 08:48
S3	345	137/556.6.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:08
S4	1393	137/468.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:39
S5	335	S4 and inlet and outlet	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 09:49
S6	323	S5 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 09:49
S7	593	251/264.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:42

## EAST Search History

S8	4	("4513881"   "5174326"   "5423342"   "5427132").PN. OR ("6341620").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/18 10:39
S9	0	137/468.ccls. and "251""."276".ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:39
S10	0	137/468.ccls. and "251/276".ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:56
S11	0	137/468.ccls. and 251/276.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:40
S12	0	137/468.ccls. and 251/278.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:40
S13	67013	valve and position and measurement	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:48
S14	18811	S13 and inlet and outlet	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:48
S15	672	S14 and "251"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 10:48
S16	167	"251/276".ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:15
S17	172	"236/92C".ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:23
S18	551	"236/93A".ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:41
S19	1	"position measurement rod" and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:41

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S20	167	251/276.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:42
S21	304	251/64.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 12:00
S22	149553	valve and rod same piston	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:57
S23	149553	valve and (rod same piston)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 11:57
S24	72	251/190.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 12:02
S25	215	251/270.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 14:34
S26	593	251/264.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 12:13
S27	212537	optimize	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 14:40
S28	19	optimizaton	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 14:35
S29	131214	optimization	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 14:35
S30	105987	optimizing	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 14:35
S31	160	705/413.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 15:09

## EAST Search History

S32	13	705/413.ccls. and heat	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 14:43
S33	82	705/412.ccls. and heat	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 14:43
S34	103	("2836730"   "2836731"   "2841331"   "2861196"   "2866102"   "2871374"   "2871375"   "3000566"   "3001714"   "3005589"   "3117221"   "3124699"   "3226932"   "3229110"   "3270209"   "3359551"   "3400258"   "3555251"   "3758762"   "3782113"   "3832533"   "3859007"   "3911286"   "3928972"   "3932735"   "4019390"   "4027145"   "4039804"   "4053746"   "4057736"   "4069675"   "4096699"   "4166762"   "4178762"   "4178763"   "4179742"   "4262209"   "4272686"   "4280060"   "4297848"   "4314441"   "4320625"   "4419733"   "4514642"   "4550380"   "4576007"   "4577280"   "4577281"   "4745758"   "4792912"   "4811565"   "4819435"   "4866940"   "4881184"   "4888954"   "4891948"   "4941113"   "5132920"   "5278772"   "5347466"   "5432710").PN. OR ("5621654"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/18 14:50
S35	533	251/218.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 15:11
S36	31	251/226.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 15:14
S37	355	251/237.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 15:45
S38	8	("5727529") or ("5775670") or ("5915355") or ("5992822") or ("6213142") or ("6293514") or ("6413238") or ("6530273")).PN.	USPAT; USOCR	OR	OFF	2006/09/18 15:32

## EAST Search History

S39	0	251/459.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 15:45
S40	270	137/459.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/18 15:45
S41	167	251/276.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 09:56
S42	316	251/278.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 11:34
S43	1	"6341620".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 12:00
S44	551	236/93A.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 12:00
S45	331	S44 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 12:01
S46	296	S45 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 12:02
S47	42	S46 and responsive adj element	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 12:03
S48	127	S46 and expand	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 12:06
S49	1	S44 and "expansion coefficient" adj different same housing	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/19 13:54

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2615	((62/173) or (62/185) or (62/201) or (236/1C)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 10:32
S2	1	S1 and evaporator and condenser and compressor	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 10:32
S3	503	S1 and evaporator and condenser and compressor	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 11:42
S4	695	((236/92) or (62/222)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 12:27
S5	172	(236/92C).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 12:28
S6	21	S5 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 12:29
S7	5	S5 and piston and orifice	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:04
S8	35	("0467085"   "1592175"   "1972170"   "2259846"   "2368181"   "2497201"   "2570432"   "2740586"   "2785861"   "2810527"   "3386469"   "3498537"   "3512710"   "3700166"   "3724753"   "3804113"   "4078722"   "4344564"   "4392512"   "4986310").PN. OR ("RE35040").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/25 12:37
S9	47	"heat exchanger" and "airflow rate" and cost and savings	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 12:38
S10	0	("2005/0193750").URPN.	USPAT	OR	OFF	2006/08/25 13:13
S11	5	((("4523435") or ("5285648") or ("5457965") or ("6467280") or ("6474087"))).PN.	USPAT; USOCR	OR	OFF	2006/08/25 16:27

## EAST Search History

S12	3	((("5265438") or ("6012300") or ("6189326"))).PN.	USPAT; USOCR	OR	OFF	2006/08/25 16:32
S13	262	(62/216).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/25 16:32
S14	0	("puckadjlengthandcoefficientadjexpansionandspringandforceandvalve").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:05
S15	1	puck adj length and coefficient adj expansion and spring and force and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:21
S16	26504	freeze and drying and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:21
S17	2023	S16 and ice and melt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:24
S18	76	S17 and MR and heat	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:22
S19	347	62/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:24
S20	12	S19 and sublim\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/12 14:25